



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: SJ-0015
Inventors: Sorrentino and Schuetz
Serial No.: 09/866,866
Filing Date: May 29, 2001
Examiner: Dorothy Basma
Group Art Unit: 1633
Title: Method of Identifying and/or
Isolating Stem Cells and Prognosing
Responsiveness to Leukemia
Treatment

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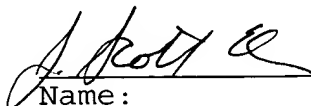
CERTIFICATE UNDER 37 CFR 3.73(b)

St. Jude Children's Research Hospital, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. The Assignment is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own belief are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.


Name:

Title: J. SCOTT ELMER
DIRECTOR, OFFICE OF
TECHNOLOGY LICENSING

Date: 03/06, 2002

ASSIGNMENT

WHEREAS, WE,

Brian Sorrentino, a citizen of the United States, residing at
6590 Quail Point Circle North
Memphis, TN 38103; and

John Schuetz, a citizen of the United States, residing at
1442 Carr Avenue
Memphis, TN 38105; and

have invented certain new and useful improvements in

METHOD OF IDENTIFYING AND/OR ISOLATING STEM CELLS AND PROGNOSING
RESPONSIVENESS TO LEUKEMIA TREATMENT

for which we have filed an Application for Letters Patent in the United States on May 29,
2001, and was accorded U.S. Serial No. 09/866,866; and

WHEREAS, ST. JUDE CHILDREN'S RESEARCH HOSPITAL,
an education corporation organized and existing under
the laws of the State of Tennessee,
with office at 332 North Lauderdale Street, Memphis, TN 38105-2794,

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the
said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which
is hereby acknowledged, we the said

Brian Sorrentino and John Schuetz

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign,
transfer and set over, to the said

ST. JUDE CHILDREN'S RESEARCH HOSPITAL,

its successors, legal representatives and assigns, the entire right, title and interest in, to and
under the said improvements, and the said application and all divisions, renewals, and
continuations thereof, and all Letters Patent of the United States which may be granted
thereon and all reissues and extensions thereof, and all applications for Letters Patent which
may hereafter be filed for said improvements in any country or countries foreign to the
United States, including the right to claim priority under the terms of any appropriate
International Convention based upon said application for Letters Patent of the United States,
and all Letters Patent which may be granted from said improvements in any country or
countries foreign to the United States and extensions, renewals and reissues thereof; and we
hereby authorize and request the Commissioner of Patents and Trademarks of the United

States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

ST. JUDE CHILDREN'S RESEARCH HOSPITAL,

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

ST. JUDE CHILDREN'S RESEARCH HOSPITAL,


its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

ST. JUDE CHILDREN'S RESEARCH HOSPITAL,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date 8/22, 2000



Brian Sorrentino L.S.

State of Tennessee :
: ss.
County of Shelby :

Before me this 22 day of Aug 2001, personally appeared Brian Sorrentino, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

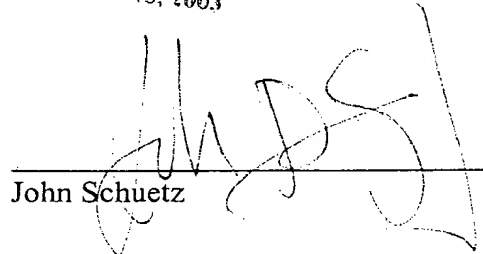


NOTARY PUBLIC

MY COMMISSION EXPIRES:
Oct. 15, 2003

(Affix Seal Here)


Date 8/14, 2000



John Schuetz L.S.

State of Tennessee :
: ss.
County of Shelby :

Before me this 14 day of Aug 2001, personally appeared John Schuetz, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



NOTARY PUBLIC

MY COMMISSION EXPIRES:
Oct. 15, 2003

(Affix Seal Here)